

AUG 20 1985

Chojnowski
Sep- Carl.
Janet

August 19, 1985

Attorney Kathleen Chojnowski
Office of Regional Counsel
US - EPA - Region II
26 Federal Plaza
New York, New York 10278

Re: Scientific Chemical Processing, Inc.
Carlstadt, New Jersey

Dear Ms. Chojnowski:

Pursuant to the letter from the Carlstadt
Committee dated August 19, 1985, we enclose herewith
the well Investigative Report of Dames & Moore.

Very truly yours,

FOR THE CARLSTADT COMMITTEE





August 16, 1985

Mr. W. Ward
Environmental Activities Staff
General Motors Corporation
General Motors Technical Center
Warren, Michigan 48080-9015

Re: Well Inventory
Vicinity of SCP Site
Carlstadt, New Jersey

Dear Mr. Ward:

INTRODUCTION

This letter presents the information obtained by Dames & Moore through an investigation of ground water use in the vicinity of the SCP site in Carlstadt, New Jersey. A well records* search was performed and data assembled for an area within a two-mile radius of the site. The Site Vicinity Map (Figure 1) shows the approximate locations of the ground water wells which were identified in this investigation. Table 1, Well Data, presents information on well use, static water levels, depth to bedrock and surface elevations.

AQUIFERS BEING UTILIZED

Aquifers reported in the site vicinity include an Upper Quaternary Aquifer and Triassic-aged Bedrock Aquifer. The only wells identified in the Upper Quaternary Aquifer are observation or monitoring wells with the exception of three wells owned by Trubeck Laboratories which are used for industrial and manufacturing purposes. All of the remaining wells identified in this study penetrate the deeper Triassic Bedrock Aquifer.

WELLS WITHIN ONE MILE OF SITE

Dames & Moore has located 20 wells within a distance of one mile of the site. Of these wells, one is known to be used for direct human consumption while two others are used in food processing. The remainder of the wells within one mile of the site are used for cooling, industrial, manufacturing, monitoring or observational purposes. The well used for direct human consumption is owned by Record Electro Plating and is primarily used for industrial purposes. However, we were informed that the water is periodically used for human consumption and has been tested and certified as potable. The two wells used for food processing are owned by Spear Packing Corporation and Yoo Hoo Beverage Co. The Spear Packing Corp. well provides water for washing and cooling finished canned products. Yoo Hoo Beverage Co. wells provide a portion of the raw water supply for beverage manufacturing.

*Open File Reports, Appraisal of Water Resources in the Hackensack River Basin, N.J.; New Jersey Dept. of Environmental Protection, Water Allocations Division Well Records; telephone interviews.



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WELLS ONE TO TWO MILES FROM SITE


A total of 23 ground water wells have been located by this investigation between one and two miles from the site. Two of these wells are used for human consumption and are owned by the Becton Dickinson Co. and the Old Mill Restaurant. The Becton Dickenson well is used only as a standby water supply since the facility is supplied by city water (Hackensack Water Co.). All other wells that were identified between one and two miles from the site are used for industrial, cooling, manufacturing, air conditioning or observational purposes.

If you have any questions regarding this information, please contact the undersigned.

Very truly yours,

DAMES & MOORE

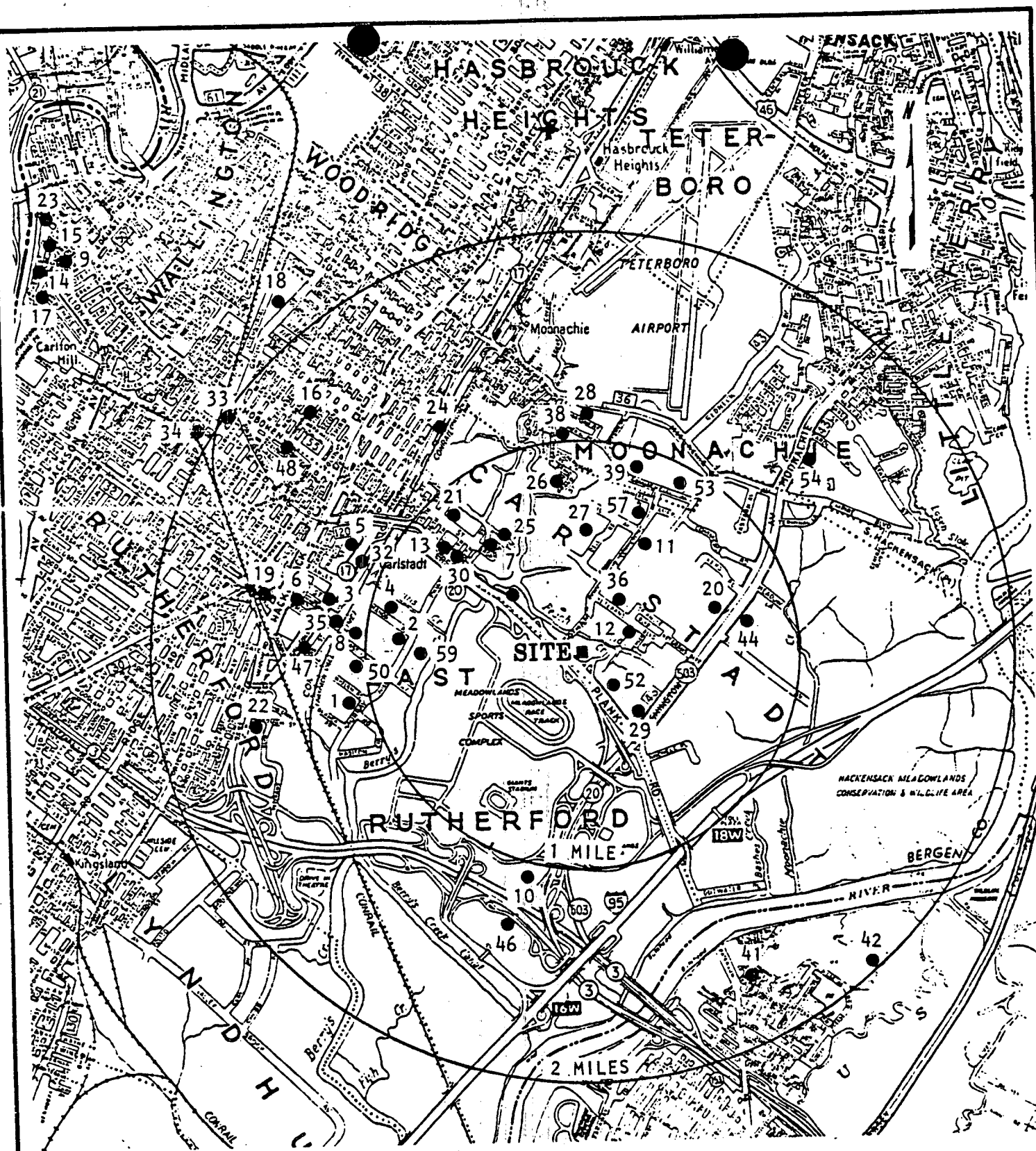

J. A. Koczan
Partner


W. T. McCune
Staff Geologist

JAK/WTM:jp

Attachment

cc: Mr. L. DeStefano
Mr. T. M. Armstrong



**SCP SITE VICINITY MAP
SHOWING WELL LOCATIONS**

0 2000 4000 6000 FEET

TABLE 1
WELL DATA
VICINITY OF SCP SITE
CARLSTADT, NEW JERSEY

	<u>Owner</u>	<u>Address</u>	<u>Date Drilled</u>	<u>Surface Elevation (ft. MSL)</u>	<u>Well Depth (ft.)</u>	<u>Static Water Level (ft.)</u>	<u>Depth to Bedrock (ft.)</u>	<u>Well Use</u>
1.	Vikeship Co.	299 Murray Hill Parkway East Rutherford, NJ	5-19-66	N / A	223	42	41	Lawn Watering
2.	Marljon Dying and Finishing Co. Inc.	219 Murray Hill Parkway East Rutherford, NJ	4-18-81	N / A	410	16	115	Not Used
3.	Trubeck Chemical Co.	Route 17 East Rutherford, NJ	3-10-58	N / A	205	20	N / A	Industrial Plant Cooling
4.	Marljon Piece Dye	Manor Road East Rutherford, NJ	7-1-65	5	285	50	N / A	Cooling
5.	Becton & Dickinson Co.	Route 17 East Rutherford, NJ	8-1-66	15	363	50	N / A	Industrial/ Cooling/ Human Consumption (tested monthly)
6.	Insulating Fabricators Inc.	150 Union Avenue East Rutherford, NJ	8-31-64	30	300	60	62	Air-Conditioning*
7.	Spear Packing Corp.	95 Broad St. Carlstadt, NJ	10-28-79	16	330	18	162	Cooling
	Spear Packing Corp.	95 Broad St. Carlstadt, NJ	01-25-81	28	300	17	130	Industry/ Food Processing (tested quarterly)
8.	Carmel Manufacturing Co.	120 East Union Ave. East Rutherford, NJ	01-20-65	10	200	40	41	Cooling
9.	United States Prting Ink Co.	Union Street East Rutherford, NJ	01-23-65	15	220	35	150	Cooling*
10.	Top Notch Plating Co.	Route 20 East Rutherford, NJ	03-31-65	20	300	10	78	Industrial
11.	Yoo-Hoo Beverage Co.	600 Commercial St.	04-20-65	10	378	10	N / A	Industrial/ Cooling/ Food Processing
	Yoo-Hoo Beverage Co.	600 Commercial Street Carlstadt, NJ	05-01-64	10	393	10	N / A	Industrial/ Cooling/ Food Processing
12.	J.E.S. Corp.	400 Veteran Blvd. Carlstadt, NJ	07-02-81	34	153	28	31	Industrial
13.	Hermetite Division Universal Match	245 Paterson Plank Rd., Carlstadt, NJ	10-11-65	N / A	403	6	30	Industrial

TABLE 1 (continued)

	Owner	Address	Date Drilled	Surface Elevation (ft. MSL)	Well Depth (ft.)	Static Water Level (ft.)	Depth to Bedrock (ft.)	Well Use
14.	Royce Chemical Co.	River Road East Rutherford, NJ	4-25-59	N/A	378	10	N/A	Manufacturing
	Royce Chemical Co.	River Road East Rutherford, NJ	8-29-66	50	455	40	N/A	Industrial
15.	Royce Chemical Co.	Carlton Hill East Rutherford, NJ	5-67	50	370	20	45	Cooling
	Royce Chemical Co.	Carlton Hill East Rutherford, NJ	4-67	50	370	35	40	Cooling
	Royce Chemical Co.	Carlton Avenue East Rutherford, NJ	02-10-78	30	305	59	34	Industrial
	Royce Chemical Co.	17 Carlton Avenue East Rutherford, NJ	6-6-72	30	288	55	110	Cooling
16.	Ganes Chemical Works	611 Broad Street Carlstadt, NJ	2-9-48	80	826	44	53	Industrial
	Ganes Chemical Works, Inc.	611-641 Broad St. Carlstadt, NJ	8-21-69	79	430	28	N/A	Cooling
17.	Lester Entin Associates (used by Delsaco Foods)	24 McDermott Place Bergenfield, NJ (well at 164 Madison St. East Rutherford, NJ)	11-2-70	N/A	300	10	130	Industrial
	Lester Entin Associates (used by Delsaco Foods)	24 McDermott Place Bergenfield, NJ (well at 164 Madison St. East Rutherford, NJ)	1-16-70	N/A	580	12	N/A	Food Processing (tested quarterly)
	Lester Entin Associates (used by Delsaco Foods)	164 Madison St. East Rutherford, NJ	9-15-71	25	470	12	140	Cooling
18.	A&A Electro Plating Co.	443 Garden St. Carlstadt, NJ	7-20-77	95	375	32	N/A	Cooling/Industrial
19.	DuBois Chemicals	Union Avenue East Rutherford, NJ	12-20-80	N/A	305	4	N/A	Cooling
20.	Carlton Cooke Corporation	Washington Avenue Carlstadt, NJ	9-8-54	500	255	15	N/A	Metal Plating

TABLE 1 (continued)

	Owner	Address	Date Drilled	Surface Elevation (ft. MSL)	Well Depth (ft.)	Static Water Level (ft.)	Depth to Bedrock (ft.)	Well Use
21.	Record Electrical Plating Co.	Broad Street Carlstadt, NJ	3-5-85	60	200	30	41	Industrial and Human Consumption (tested intermittently)
22.	U.O.P. Chemical (6 wells)	Route 17 Rutherford, NJ	4-1 to 4-3-80	N/A	5.5-13	0-5	N/A	Observation
23.	Mobil Oil Co. (9 wells)	41 River Road East Rutherford, NJ	4-73	15	15-52	N/A	N/A	Test for oil tank leak
24.	Bergen Iron & Engineering Co.	Route 17 Carlstadt, NJ	10-15-64	N/A	205	68	45	Industrial
25.	Lancaster Chemical Corp.	Broad Street Carlstadt, NJ	12-28-63	0	400	68	223	Industrial
26.	Manhattan Products Co.	Grand Street Carlstadt, NJ	10-20-85	15	300	26	80	Manufacturing Process Water
27.	Thumann, Inc.	670 Dell Road Carlstadt, NJ	4-10-81	10	300	22	42	Not Used
28.	Carter Mfg. Co.	55 Anderson Avenue Moonachie, NJ	3-1-81	18	202	12	142	Cooling
29.	Teaneck Chemical Co.	197 Washington Ave. Carlstadt, NJ	7-1-65	N/A	137	22	3	Industrial
	Teaneck Chemical Co.	197 Washington Ave. Carlstadt, NJ	08-31-66	N/A	193	21	13	Industrial
30.	Rutherford Invest. Corp.	320 Paterson Plank Rd. Carlstadt, NJ	12-21-72	10	150	20	N/A	Cooling
31.	Top Notch Metal Co.	Paterson Plank Rd.	07-03-73	30	400	30	78	Not Used
32.	Trubeck Labs.	Route 17 East Rutherford, NJ	10-10-56	10	201	20	100	Industrial
33.	Anders Chemical Co.	26 Poplar Street East Rutherford, NJ	05-28-81	48	138	18	42	Industrial/ Cooling
34.	Mr. & Mrs. Louis Gallo	One Maple Ave. East Rutherford, NJ	1-22-76	50	300	18	250	Cooling Plastic Machines
35.	Colonial Process Co.	180 East Union Ave. East Rutherford, NJ	12-28-68	85	400	30	67	Industrial*
36.	Howmedica Inv.	359 Veterans Blvd. East Rutherford, NJ	06-27-73	15	500	40	N/A	Washing Pavement and Dumpsters
37.	Vestal Builders	Highway S-3 East Rutherford, NJ	08-20-54	N/A	130	15	95	Industrial
38.	Technical Oil Products	150 Grand Street Moonachie, NJ	07-13-76	15	296	6	124	Cooling
39.	Compo Industries	170 W. Commercial Ave Moonachie, NJ	10-12-81	22	220	28	52	Cooling

TABLE 1 (continued)

	Owner	Address	Date Drilled	Surface Elevation (ft. MSL)	Well Depth (ft.)	Static Water Level (ft.)	Depth to Bedrock (ft.)	Well Use
40.	J.J. Josephson Inc.	35 Empire Blvd. South Hackensack, NJ	06-23-75	10	500	62	N / A	Cooling*
41.	Leo Van Der Wall	Farm Road Secaucus, NJ	12-26-51	N / A	200	5	163	Industrial
42.	Old Mill Restaurant	300 Millridge Road Secaucus	06-81	N / A	250	15	30	Public Supply/ Human Consumption
43.	Food Fair Stores, Inc.	Scheyler Avenue & Belleville Pike	12-10-56	100	303	42	N / A	Air Conditioning
44.	Stella Doro Co., Inc.	Washington Ave. Carlstadt, NJ	12-27-85	N / A	120	12	N / A	Industrial*
45.	Meadowlands Commission (8 wells)	200 Murray Hill Parkway Fairfield Borough	7-26-84	N/A	11.5-27.5	2.5-13	N/A	Observation
46.	Alpha Refining Co.	Route #3 East Rutherford, NJ	2-15-49	N/A	400	6	N/A	N/A
47.	TruBeck Laboratories	Route 17 East Rutherford, NJ	6-49	10	140	6	N/A	Manufacturing
	TruBeck Laboratories	Route 17 East Rutherford, NJ	1-30-53	5	144	10	N/A	Industrial
	TruBeck Laboratories	Route 17 East Rutherford, NJ	11-25-52	5	150	N/A	N/A	Test Well
48.	Caughey's	64 Hoboken Road East Rutherford, NJ	8-14-51	10	276	25	201	Cooling
49.	Belle Mead Development Corp.	State Highway S-3 Rutherford, NJ	9-17-48	N/A	416	10	330	Industrial
50.	Marathon Enterprises	East Union Avenue Rutherford, NJ	2-10-80	18	242	14	N/A	N/A
51.	Felix Cascello	Moonachie	10-18-	100	160	30	96	Industrial/Sanitary
52.	Cosan Chemical Corp. (5 wells)	Paterson Plank Road Carlstadt, NJ	3-28-85	N/A	2.3-4	N/A	N/A	Monitoring

TABLE 1 (continued)

	Owner	Address	Date Drilled	Surface Elevation (ft. MSL)	Well Depth (ft.)	Static Water Level (ft.)	Depth to Bedrock (ft.)	Well Use
53.	World Plastic Extruders, Inc.	150 W. Commercial Avenue Moonachie, NJ	9-12-66	N/A	200	40	53	Industrial
54.	Eugene J. Bereak B&B Farm	199 Moonachie Road. Moonachie, NJ	8-3-71	N/A	120	8	30	No longer in business
55.	Hackensack Water Co.	Moonachie, NJ	6-27-55	N/A	243	23	238	Observation*
56.	Hackensack Water Co.	Carlstadt, NJ	2-55	N/A	86	15	N/A	Observation*
57.	Benedict Packing Corp.	590 Commercial Avenue Carlstadt, NJ	11-6-64	20	153	34	27	Cooling
58.	Hackensack Meadowlands (7 wells)	200 Murray Hill Parkway East Rutherford, NJ (location: Kingsland Park Landfill Extension)	3-3-82	N/A	17-21	5-11	N/A	Observation
59.	Hackensack Meadowlands	Paterson Plank Road Carlstadt, NJ	8-54	5	103	N/A	N/A	N/A

Reference: New Jersey Department of Environmental Protection, Division of Water Resources, Well Records.

Notes:

1. N/A = Not Available
2. Well Nos. 22, 23, 45, 47, and 52 are screened in the Quaternary Aquifer.
All remaining wells produce water from the Triassic Brunswick Formation Bedrock Aquifer.
3. * = Data still to be confirmed.